

Product datasheet for **RG216833**

PH domain containing family G member 7 (PLEKHG7) (NM_001004330) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PH domain containing family G member 7 (PLEKHG7) (NM_001004330) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLEKHG7
Synonyms:	FLJ46688
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG216833 representing NM_001004330
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATCTTTATGAATACACTAAGATATCTGCAAACCTCATGAATATCTCCTAGATGTGGATTATGGAGAC
TTTTTGCAAACCTGGAGGAGTTAACTCAGACAAGCCTTGGTTTTGTGAACAGTCTCTTTGGCATCATCAA
GGACTATGTAGACGCTTCTGAGATTTCTCATCACTGGATTTTATTTCCGTGCTCACAAAGTATTTCCGA
GGGAGTCTCTGTGAGAGCCACCAGACCTACTGCCTGAACTATTCAGCTGTATCTTTTATCTTGAGAGCC
TGAGGCAGAGAGATGACTTTGGAATTTATTTAAAATGGTGTGAGCAGAATGAACAATGCAGACGGCTCCA
CGTGCCAGAGCTGCTAGTGGCCCACTACAGAGGCTCACTCGATATCCGTTGTTGCTGAAGAATATCTGG
AAAAGGAGCATGGACTCTGCTGAGAAAATCATGATCTACTCCATCAAGGAAAAGGTGAAAAGTCCATCC
GGGACCTTGAAGGAAAAGTGAAGTGGCTGGACAATTTCCAAAAATTTAGATATCTACAGGAGATTATAGT
GTGGCCACCGCTTGGGATAGAGATAAAAGTTTTTCATTCCAGAGTGTGAAACACATTTTTAAAGAA
CACATGGCAGAAAACATCTTGTCAACCAACCAGCAGACACCTTCTCTATGAAGGAAAATTAACCTTTGCGAG
AAAGCACAAAGATTCTAGATGTTTATCTGTTTCTCTTCAATGATTTCTCTTAGTTACGAAAACCTAAGTG
CAACAAAAGAACTTGGAGGCTCAGACCCTGGTTAATGTGTCCTTCTTACTCTGAGTTGCAAGCA
GTAATAAAAGAGGGTGGTTCGTGTACAGTACTCGATCAGCCTATTCCTAGATAGATTGGTAGTCAAAA
GTATTGAACCACTCCATGTGTCAGTCTTTGGGCTGAGAAATGCTTTTCTTATAACAACACGAAAACAGATA
TCGACAGTGTATAGCAGCATTCTTATTACAAGCCAAACGGAAAACATCAAAAAACATGGATGGCACAA
ATAACAACCTGCAATTTCTGCTTTACCAAGAGTCAGGAAACCAAGAAAATATCTTTATTCACATTGCCCG
CAGAATCCTCTGAAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216833 representing NM_001004330
Red=Cloning site Green=Tags(s)

MIFMNTLRYLQTHEYLLDVLWRLFANLEELTQTSLSGFVNSLFGIIKDYVDASEISSSLDFISVLTKYFR
GSLCQSHQTYCLNYSAAIFYLESRLRQDDFGIYLKWCQNEQCRRLHVPELLVAPLQRLTRYPLLLKNIW
KRSMSDAEKIMIYSIKEKVEKSIRDLEGGKVKWLDNFQKFRYLQEIIVWPPLWDRDKRFFIPECLKHIFKE
HMAENILSPTSRLHLLYEGKLTAESTRFLDVYLFNFDFLLVTKKCNKKLGGSDPGLMCPSTPELQA
VIKEGGSCTVLDQPIPLDRLVVKSIIEPLHVSFVGLRNAFLIQHENRYRQCIAAFLLQAQTENIKKTWMAQ
ITTAISCFTKSQETKKISLFTLPAESSEI

TRTRPLE - GFP Tag - V

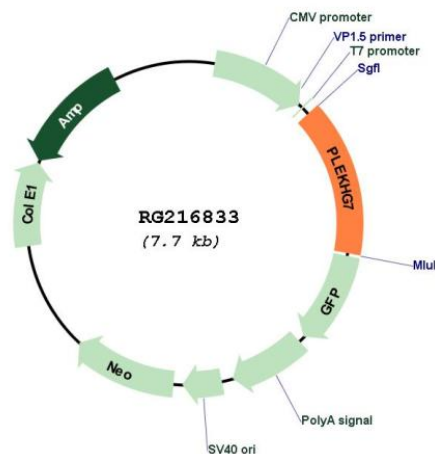
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004330

ORF Size: 1137 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001004330.1](#), [NP_001004330.1](#)

RefSeq Size: 3224 bp

RefSeq ORF: 1140 bp

Locus ID: 440107

Cytogenetics: 12q22